



A.D. 1813 N^o 3697.

S P E C I F I C A T I O N

OF

THOMAS WILCOX.

APPARATUS TO INCREASE THE DRAUGHT
OF CHIMNEYS, &c.

L O N D O N :

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Apparatus to Increase the Draught of Chimneys, &c.

WILCOX'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, THOMAS WILCOX, of the City of Bristol, Mason, send greeting.

WHEREAS His present Majesty King George the Third, in and by His Letters Patent under the Great Seal of Great Britain, bearing date at
5 Westminster, the Twenty-second day of May last, for Himself, His heirs and successors, did give and grant unto me, the said Thomas Wilcox, my exors, admors, and assigns, His special licence, full power, sole privilege and authority, that I, the said Thomas Wilcox, my exors, admors, and assigns, and every of them, by myself and themselves, or by my and their deputy
10 or deputies, servants or agents, or such others as I, the said Thomas Wilcox, my exors, admors, or assigns, should at any time agree with, and no others, from time to time and at all times thereafter during the term of years therein expressed, should and lawfully might make, use, exercise, and vend, within England, Wales, and the Town of Berwick upon Tweed, my Invention of
15 "A MACHINE FOR THE PREVENTION AND CURE OF SMOKY CHIMNEYS;" in which said Letters Patent there is contained a proviso obliging me, the said Thomas Wilcox, by an instrument in writing under my hand and seal, particularly to describe and ascertain the nature of my said Invention, and in what manner the same is to be performed, and to cause the same to be inrolled in His
20 Majesty's High Court of Chancery within two calendar months next and immediately after the date of the said recited Letters Patent, as in and by the same, reference being thereto had, will more fully appear.

Wilcox's Machine for the Prevention and Cure of Smoky Chimneys.

NOW KNOW YE, that in compliance with the said proviso, I, the said Thomas Wilcox, do hereby describe and ascertain the nature of my said Invention, and in what manner the same is to be performed, by the Plan or Drawing in the margin of these presents, and the following description thereof, that is to say :—

The particular object of this Invention is to counteract the effects arising from eddy winds affecting the tops of chimnies as well as generally to increase the draughts of chimnies to which it is applied. The construction is remarkably simple, not liable to be out of repair, not requiring any extra expence or attention to keep it in order, it being accessible from within and capable of being cleansed in the same manner as ordinary chimnies, and not being liable to any greater accumulation of soot. It may be termed the smoke reverberator. The Invention consists of a hollow cap with a funnell, and a contrivance for voiding the smoke, to be fixed on the top of a chimney stack, with two or more courses of brickwork to secure the same. It may be composed of copper, iron, or any metallic substance, or of clay, and may be of any form which may suit the fancy of persons desirous of availing themselves of the Invention. Fig. 1, 1, 1, represents the reverberator, and some of the forms in which it may be manufactured. Fig. 2 shews a section of the reverberator; A, the globular ball, which, as before stated, may be of any other shape), twenty-two inches diameter; B, B, cavities two inches wide for voiding smoke; C, C, flanches one inch and a half square to reverberate the draught of air which follows the shaft of chimney externally, so as to prevent its entering the cavity of the ball or cap, and thereby diminishing the effect arising from the rarefication of the air within; D, a funnell, communicating with the cavity two feet eight inches high, large enough for a boy to sweep the cavity; E shews one stay to secure the cap or ball on the funnell D; the principal on which the reverberator acts is by excluding all winds from the chimney, and by promoting the draught of the chimney by means of a continual accumulation of rarefied air in the cavity.

In witness whereof, I have hereto set my hand and seal, the Sixteenth day of July, in the year of our Lord One thousand eight hundred and thirteen.

THO^s WILCOX. (L.S.)

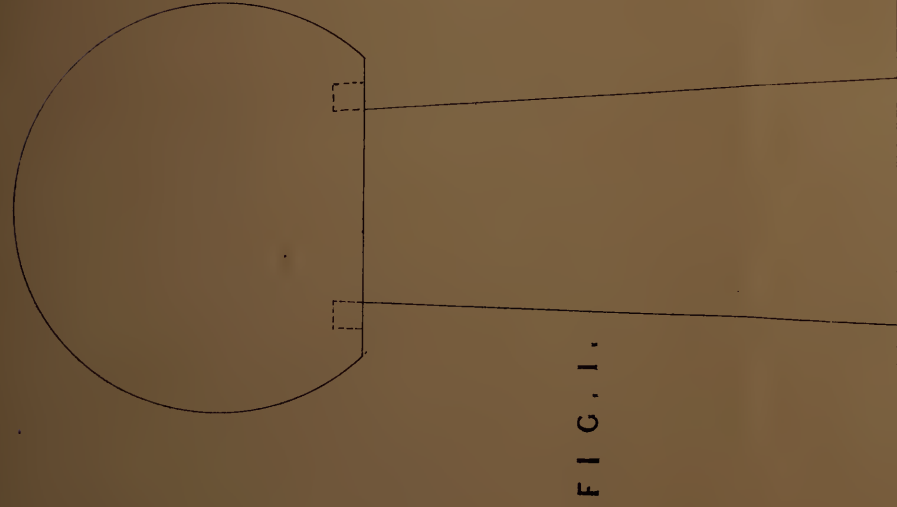
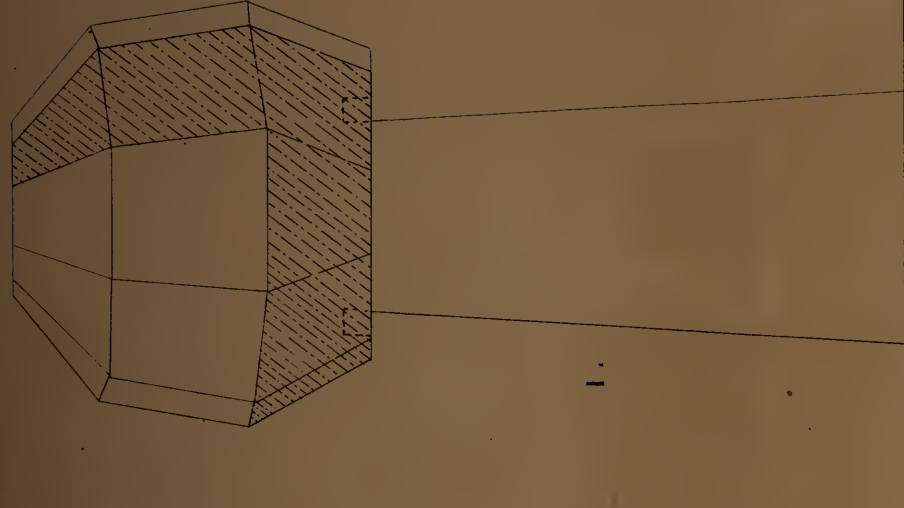
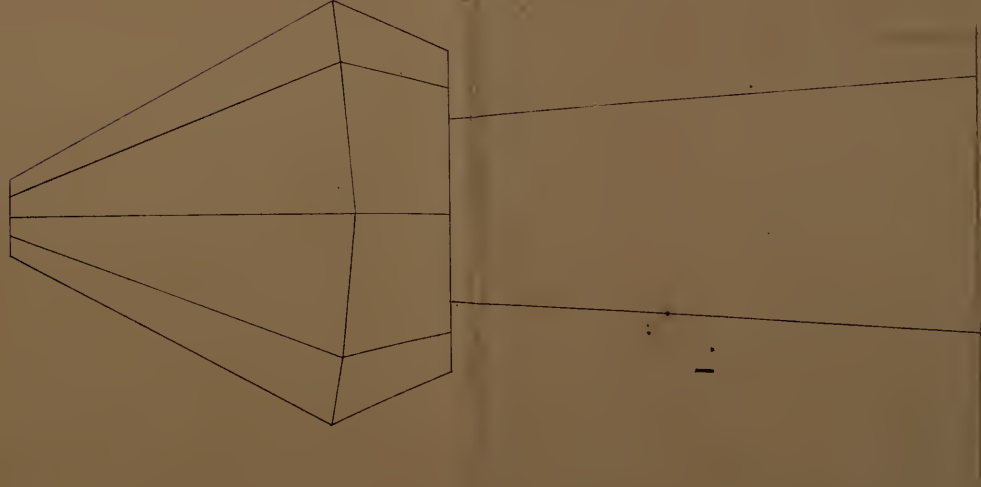


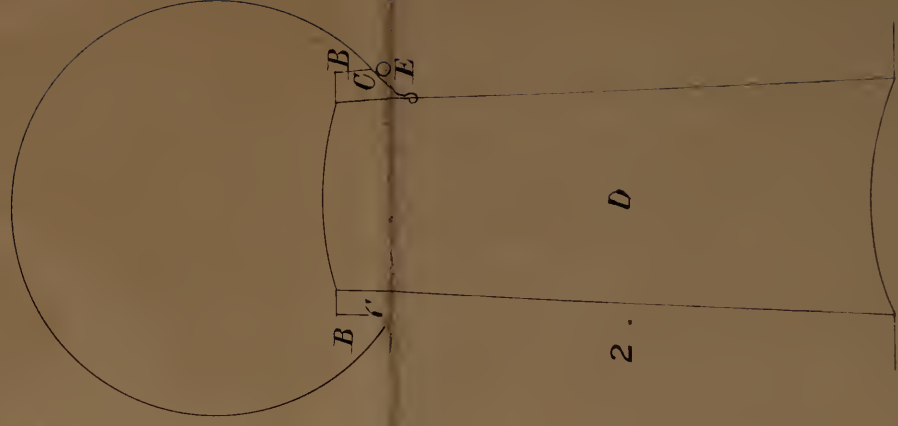
FIG. 1.



1.



1.



2.

D

The enroled drawing is colored.

Wilcox's Machine for the Prevention and Cure of Smoky Chimneys.

AND BE IT REMEMBERED, that on the Sixteenth day of July, in the year of our Lord 1813, the aforesaid Thomas Wilcox came before our said Lord the King in His Chancery, and acknowledged the Specification aforesaid, and all and everything therein contained and specified, in form above written.
5 And also the Specification aforesaid was stampd according to the tenor of the Statute made for that purpose.

Inrolled the Seventeenth day of July, in the year of our Lord One thousand eight hundred and thirteen.

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